

WHAT IS CLAIMED IS:

1. A display device having a plurality of pixels, comprising:

5 a substrate;

a conductive line provided on the substrate;

a first insulating layer provided on the conductive line;

10 an island-shaped conductor for repairing line disconnection, provided above the conductive line with the first insulating layer interposed therebetween;

15 a switching element controlling a signal to a pixel;

a second insulating layer with a through hole, provided on the switching element and the island-shaped conductor; and

20 a pixel electrode provided above the switching element with the second insulating layer interposed therebetween and connected with the switching element via the through hole.

25 2. A display device according to Claim 1, wherein the conductive line is a gate line transmitting a control signal to the switching element.

3. A display device according to Claim 2,
further comprising a source line provided in the same
layer as the island-shaped conductor.

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4. A display device according to Claim 1,
wherein the conductive line is a storage capacitor
line forming a storage capacitor with the pixel
electrode.

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5. A display device according to Claim 4,
further comprising a source line provided in the same
layer as the island-shaped conductor.

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6. A display device according to Claim 1,
wherein a plurality of island-shaped conductors are
provided above the conductive line.

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7. A display device according to Claim 1,
wherein at least two portions of the island-shaped
conductor are connected to the conductive line.

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8. A display device according to Claim 1,
wherein the island-shaped conductor and the
conductive line are connected by laser application.

9. A display device having a plurality of pixels, comprising:

a substrate;

5 a first insulating layer provided on the substrate;

a conductive line provided on the first insulating layer;

10 an island-shaped conductor for repairing line disconnection, provided below the conductive line with the first insulating layer interposed therebetween;

a switching element controlling a signal to a pixel;

15 a second insulating layer with a through hole, provided on the switching element and the conductive line; and

20 a pixel electrode provided above the switching element with the second insulating layer interposed therebetween and connected with the switching element via the through hole.

10. A display device according to Claim 9, wherein the conductive line is a source line transmitting a display signal to the switching element.

11. A display device according to Claim 9,
wherein a plurality of island-shaped conductors are
provided above the conductive line.

5 12. A display device according to Claim 9,
wherein at least two portions of the island-shaped
conductor are connected to the conductive line.

10 13. A display device according to Claim 10,
further comprising a gate line provided in the same
layer as the island-shaped conductor, the gate line
transmitting a control signal to the switching
element.

15 14. A display device according to Claim 10,
further comprising a gate line and a storage
capacitor line provided in the same layer as the
island-shaped conductor, the gate line transmitting
a control signal to the switching element, and the
20 storage capacitor line forming a storage capacitor
with the pixel electrode.

25 15. A display device according to Claim 13,
further comprising an island-shaped conductor for
repairing gate line disconnection provided in the
same layer as the source line, above the gate line.

16. A display device according to Claim 14,
further comprising:

5 an island-shaped conductor for repairing gate
line disconnection provided in the same layer as the
source line, above the gate line; and

10 an island-shaped conductor for repairing
storage capacitor line disconnection provided in the
same layer as the source line, above the storage
capacitor line.

17. A method for repairing a display device
having a plurality of pixels, comprising:

15 a step of preparing a display device, the
display device having a substrate, a conductive line
layer provided on the substrate, an island-shaped
conductor for repairing line disconnection, the
island-shaped conductor overlapping with the
conductive line layer, a first insulating layer
20 provided between the island-shaped conductor and the
conductive line layer, a switching element
controlling a signal to a pixel, a second insulating
layer with a through hole, provided on the switching
element, and a pixel electrode provided above the
switching element and the island-shaped conductor
25 with the second insulating layer interposed

therebetween and connected with the switching element via the through hole;

a step of applying a laser to two points across a disconnected portion of the conductive line layer;

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a step of connecting the island-shaped conductor and the conductive line layer at the two points by applying a laser.

10 18. A method according to Claim 16, wherein the island-shaped conductor is provided above the conductive line layer.

15 19. A method according to Claim 16, wherein the island-shaped conductor is provided below the conductive line layer.

20. 20. A method according to Claim 16, wherein a laser is applied from a side of the substrate in the step of applying a laser.